John Caceres

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Education

Quinnipiac University Hamden, CT

B.A. in Mathematics, B.S. in Computer Science, GPA: 3.88/4.0 May 2026

Relevant Coursework: Database Systems, Systems Programming, Data Structures and Algorithms, Cryptography, Multivariate Calculus, Math Stats and Probability.

Dean's List: Fall 2022 – Spring 2025

Experience

The Learning Commons at Quinnipiac University Hamden, CT

Peer Fellow Aug 2024 – Dec 2024

- Supported students and professor during class time by managing class activities and responding to unanticipated questions.
- Organized weekly review sessions focused on enhancing students' understanding of calculus, benefiting 10-20 individuals across all levels.

NSF REU at Fairfield University Fairfield, CT

Undergraduate Researcher May 2024 – July 2024

- Conducted daily research on the anti-van der Waerden numbers of graphs and graph products.
- Worked collaboratively and independently on discovering and proving new results.
- Co-authored a research paper to be published in undergraduate research journals.
- Planned and prepared poster presentations for Jane Street Math Day in NYC and MAA Mathfest in Indianapolis.

Technical Skills & Projects

Programming: C, Java, JavaScript, Python, R, SQL.
Design: Canva, CSS, HTML, LaTeX.
Project Management: Git, Scrum/Agile Frameworks, Trello.

"Slime Otissey" Video Game: CSC 225 Main Project Aug 2024 – Dec 2024

- Built an RPG-like game on a team of four developers, building from a base Java game engine/framework.
- Acted as a primary developer and play tester, creating and modifying several files for mechanics in the game's engine and debugging as issues arose.
- Worked in two-week sprints and communicated progress/hinderances at several Agile ceremonies, including bi-weekly sprint planning and review, team retrospectives, and daily stand-ups.

Leadership & Activities

Quinnipiac Math Club Hamden, CT

President Aug 2025 – Current

- Organize and attend weekly E-board meetings to discuss upcoming meetings and events with fellow club officers.
- Schedule weekly club meetings, highlighting ideas from various mathematical fields in ways digestible to every level of experience with college-level mathematics.
- Develop activities to keep 10-15 students engaged in deep mathematical learning and discussion.